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OM protein - protein search, using sw model

Run on: February 1, 2005, 14:20:44 ; Search time 40 Seconds
(without alignments)
401.224 Million cell updates/sec

Title: US-10-629-329A-2
Perfect score: 1322
Sequence: 1 MSGCAGSGCCSRGCRQD.....SMKKVGLDPSQLPVGNGIV 242

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 478139

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/prodata/1/iaa/5A-COMB.pep:*
2: /cgn2_6/prodata/1/iaa/5B-COMB.pep:*
3: /cgn2_6/prodata/1/iaa/6A-COMB.pep:*
4: /cgn2_6/prodata/1/iaa/6B-COMB.pep:*
5: /cgn2_6/prodata/1/iaa/PCITUS-COMB.pep:*
6: /cgn2_6/prodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES						
Result No.	Score	Query Match	Length	DB ID	Description	
1	636	48.1	240	4	US-09-270-767-43331	Sequence 43331, A
2	546.5	41.3	284	4	US-09-248-796A-15143	Sequence 15143, A
3	495	37.4	244	4	US-09-538-092-461	Sequence 461, App
4	168.5	12.7	238	4	US-09-252-991A-30160	Sequence 30160, A
5	149	11.3	205	4	US-09-489-039A-13421	Sequence 13421, A
6	145	11.0	231	3	US-09-172-952-32	Sequence 32, Appl
7	137	10.4	238	3	US-09-172-952-18	Sequence 18, Appl
8	136	10.3	234	4	US-09-583-110-4749	Sequence 4749, App
9	130	9.8	241	4	US-09-107-532A-4317	Sequence 4317, App
10	129.5	9.8	231	3	US-09-172-952-33	Sequence 33, Appl
11	127.5	9.6	233	4	US-09-107-532A-5562	Sequence 5562, App
12	126	9.5	242	2	US-08-472-534-2	Sequence 2, Appl
13	126	9.5	242	4	US-09-583-110-4289	Sequence 4289, App
14	125.5	9.5	241	4	US-09-134-000C-6065	Sequence 6065, App
15	116.5	8.8	240	3	US-08-926-842B-21	Sequence 21, Appl
16	111.5	8.4	75	2	US-08-840-683-11	Sequence 11, Appl
17	111.5	8.4	75	2	US-08-555-722-11	Sequence 11, Appl
18	111.5	8.4	75	3	US-09-384-301-11	Sequence 11, Appl
19	111.5	8.4	231	3	US-08-926-842B-20	Sequence 20, Appl
20	110	8.3	244	4	US-09-489-039A-8943	Sequence 8943, App
21	108.5	8.2	216	4	US-09-489-039A-9000	Sequence 9000, App
22	107.5	8.1	225	4	US-09-489-039A-10152	Sequence 10152, A
23	106.5	8.1	285	4	US-09-489-039A-12402	Sequence 12402, A
24	104	7.9	229	3	US-08-926-842B-14	Sequence 14, Appl
25	96.5	7.3	225	4	US-09-489-039A-11424	Sequence 11424, A
26	96.5	7.3	225	4	US-09-489-039A-13768	Sequence 13768, A
27	91	6.9	706	4	US-09-134-000C-5534	Sequence 5534, App

28	85.5	6.5	298	4	US-09-540-236-2717	Sequence 2717, Ap
29	84	6.4	462	4	US-09-129-112-15	Sequence 15, Appl
30	80.5	6.1	260	3	US-08-081-929-10	Sequence 10, Appl
31	80	6.1	399	4	US-09-489-039A-8023	Sequence 8023, Ap
32	80	6.1	3594	4	US-09-911-842A-4	Sequence 4, Appl
33	79.5	6.0	1729	4	US-09-553-690-2	Sequence 2, Appl
34	78.5	5.9	741	4	US-09-543-681A-8128	Sequence 8128, Ap
35	77.5	5.9	1497	1	US-08-623-679-7	Sequence 7, Appl
36	77.5	5.9	1497	3	US-08-933-774-7	Sequence 7, Appl
37	77.5	5.9	1497	3	US-09-181-030-7	Sequence 7, Appl
38	77.5	5.9	1497	3	US-09-534-242-7	Sequence 7, Appl
39	77.5	5.9	1497	3	US-09-454-854-7	Sequence 7, Appl
40	77.5	5.9	1497	3	US-09-164-671-7	Sequence 7, Appl
41	77.5	5.9	1497	3	US-09-182-113-7	Sequence 7, Appl
42	77.5	5.9	1533	1	US-08-623-679-9	Sequence 9, Appl
43	77.5	5.9	1533	3	US-08-933-774-9	Sequence 9, Appl
44	77.5	5.9	1533	3	US-09-181-030-9	Sequence 9, Appl
45	77.5	5.9	1533	3	US-09-534-242-9	Sequence 9, Appl

ALIGNMENTS

RESULT 1

US-09-270-767-43331
; Sequence 43331, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43331
; LENGTH: 240
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-43331

Query Match		48.1%	Score 636;	DB 4;	Length 240;
Best Local Similarity		68.9%	Pred. No. 38-62;	Mismatches 40;	Indels 0; Gaps 0;
Matches 124;		Conservative 16;			
QY	22	EHPRLIPSLCRQFVHLGWVTGTTGGG	ISLKHGDEIYIAPSGVQKRIQPEDMFVCDINBK	81	
DB	48	EHPRLIPSLCRQFVHLGWVTGTTGGG	MSIKYNDIYIAPSGVQKRMQPEDLFVQDITGK	107	
QY	82	DISGSPSKLKKSOCTPLFNAYTMRGAGAVIHTSHKAAVMTLLFPQREPKITHQEMI	141		
DB	108	DIQLPPEIKGLKKSQCTPLFLAYQHRQAGAVIHTSHQAVMTLLPQKTRFCTHLEMI	167		
QY	142	GKIKKCTSGYRYDDMLVVPPIENTPBEKGLKDRMAHMYEYDSCAVLVRHHGVYVNG	201		
DB	168	KGVDEADKRYLDYDEELVVPPIENTPFRDLADSNYAMMEYPGCSAILVRRHHGVGLG	227		

RESULT 2

US-09-248-796A-15143
; Sequence 15143, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICA
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13

Db 183 DTCVIVRRHGFVVGPTIDKAKIFNEAIDYLMELAIKYQNGI-PPDCGIGE 234

RESULT 4

US-09-252-991A-30160

Sequence 30160, Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: 1999-02-18

CURRENT FILING DATE: 1999-02-18

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 30160

LENGTH: 238

TYPE: PRT

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-30160

Query Match 12.7%; Score 168.5; DB 4; Length 238;

Best Local Similarity 25.7%; Pred. No. 2.3e-10;

Matches 54; Conservative 33; Mismatches 110; Indels 13; Gaps 5;

QY 13 SRRCAOD-KEHPYLIPELCKQFYHLGWVTGTGGISLKHGDE-IYIAPSGVQKRIQIP 70

Db 29 ARGAMNDNREQLTQQIIDAGRFYLRGNSPATSSNSARLDQRALLTVSGKHKGQIGF 88

QY 71 EDMFVCDINEKDISGSPSKLKKSCQCTPLFMNAYTMRGA-GAVITHSKAAVATLLFP 129

Db 89 DDVLA-----TDLAGNSLEPGCKPSAETLLHTQLYAMNPAIGAVLHTHSYNATVLSLVR 143

QY 130 GREPKITHQEMIKIKKCTSGYRYDDMLVVPITENTPEEKGLKDRMAHANEYPDSCA 189

Db 144 GDRVLQDYELQKAF-----AGVTTHGQVEVPLFDNDQIARLASRVQPLEAHPHCPG 198

QY 190 VLRRHGVYVWGTWEKAKTMCECYDILFD 219

Db 199 YLIRGHGLYTWGARMSDALRQVEAFELFE 228

RESULT 5

US-09-489-039A-13421

Sequence 13421, Application US/09489039A

Patent No. 6610836

GENERAL INFORMATION:

APPLICANT: Gary Breton et. al

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA

FILE REFERENCE: 2709.2004001

CURRENT APPLICATION NUMBER: US/09/489,039A

CURRENT FILING DATE: 2000-01-27

PRIOR APPLICATION NUMBER: US 60/117,747

PRIOR FILING DATE: 1999-01-29

NUMBER OF SEQ ID NOS: 14342

SEQ ID NO 13421

LENGTH: 205

TYPE: PRT

ORGANISM: Klebsiella pneumoniae

US-09-489-039A-13421

Query Match 11.3%; Score 149; DB 4; Length 205;

Best Local Similarity 24.7%; Pred. No. 2.7e-08;

Matches 47; Conservative 37; Mismatches 94; Indels 12; Gaps 5;

QY 39 GWTGTGGISLKHGDE-IYIAPSGVQKRIQIPEDMFVCDINEKDISGSPSKLKKSCQ 97

Db 23 GWAPATGGNNVRQDDTWCWLSGRDGLSLTFDLOVEI-----ATNOAPSGR-KPSAE 77

Db 183 DTCVIVRRHGFVVGPTIDKAKIFNEAIDYLMELAIKYQNGI-PPDCGIGE 234

RESULT 4

US-09-252-991A-30160

Sequence 30160, Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: 1999-02-18

CURRENT FILING DATE: 1999-02-18

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 30160

LENGTH: 238

TYPE: PRT

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-30160

Query Match 12.7%; Score 168.5; DB 4; Length 238;

Best Local Similarity 25.7%; Pred. No. 2.3e-10;

Matches 54; Conservative 33; Mismatches 110; Indels 13; Gaps 5;

QY 13 SRRCAOD-KEHPYLIPELCKQFYHLGWVTGTGGISLKHGDE-IYIAPSGVQKRIQIP 70

Db 29 ARGAMNDNREQLTQQIIDAGRFYLRGNSPATSSNSARLDQRALLTVSGKHKGQIGF 88

QY 71 EDMFVCDINEKDISGSPSKLKKSCQCTPLFMNAYTMRGA-GAVITHSKAAVATLLFP 129

Db 89 DDVLA-----TDLAGNSLEPGCKPSAETLLHTQLYAMNPAIGAVLHTHSYNATVLSLVR 143

QY 130 GREPKITHQEMIKIKKCTSGYRYDDMLVVPITENTPEEKGLKDRMAHANEYPDSCA 189

Db 144 GDRVLQDYELQKAF-----AGVTTHGQVEVPLFDNDQIARLASRVQPLEAHPHCPG 198

QY 190 VLRRHGVYVWGTWEKAKTMCECYDILFD 219

Db 199 YLIRGHGLYTWGARMSDALRQVEAFELFE 228

RESULT 5

US-09-489-039A-13421

Sequence 13421, Application US/09489039A

Patent No. 6610836

GENERAL INFORMATION:

APPLICANT: Gary Breton et. al

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA

FILE REFERENCE: 2709.2004001

CURRENT APPLICATION NUMBER: US/09/489,039A

CURRENT FILING DATE: 2000-01-27

PRIOR APPLICATION NUMBER: US 60/117,747

PRIOR FILING DATE: 1999-01-29

NUMBER OF SEQ ID NOS: 14342

SEQ ID NO 13421

LENGTH: 205

TYPE: PRT

ORGANISM: Klebsiella pneumoniae

US-09-489-039A-13421

Query Match 11.3%; Score 149; DB 4; Length 205;

Best Local Similarity 24.7%; Pred. No. 2.7e-08;

Matches 47; Conservative 37; Mismatches 94; Indels 12; Gaps 5;

QY 39 GWTGTGGISLKHGDE-IYIAPSGVQKRIQIPEDMFVCDINEKDISGSPSKLKKSCQ 97

Db 23 GWAPATGGNNVRQDDTWCWLSGRDGLSLTFDLOVEI-----ATNOAPSGR-KPSAE 77

Db 183 DTCVIVRRHGFVVGPTIDKAKIFNEAIDYLMELAIKYQNGI-PPDCGIGE 234

RESULT 4

US-09-252-991A-30160

Sequence 30160, Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: 1999-02-18

CURRENT FILING DATE: 1999-02-18

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 30160

LENGTH: 238

TYPE: PRT

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-30160

Query Match 12.7%; Score 168.5; DB 4; Length 238;

Best Local Similarity 25.7%; Pred. No. 2.3e-10;

Matches 54; Conservative 33; Mismatches 110; Indels 13; Gaps 5;

QY 13 SRRCAOD-KEHPYLIPELCKQFYHLGWVTGTGGISLKHGDE-IYIAPSGVQKRIQIP 70

Db 29 ARGAMNDNREQLTQQIIDAGRFYLRGNSPATSSNSARLDQRALLTVSGKHKGQIGF 88

QY 71 EDMFVCDINEKDISGSPSKLKKSCQCTPLFMNAYTMRGA-GAVITHSKAAVATLLFP 129

Db 89 DDVLA-----TDLAGNSLEPGCKPSAETLLHTQLYAMNPAIGAVLHTHSYNATVLSLVR 143

QY 130 GREPKITHQEMIKIKKCTSGYRYDDMLVVPITENTPEEKGLKDRMAHANEYPDSCA 189

Db 144 GDRVLQDYELQKAF-----AGVTTHGQVEVPLFDNDQIARLASRVQPLEAHPHCPG 198

QY 190 VLRRHGVYVWGTWEKAKTMCECYDILFD 219

Db 199 YLIRGHGLYTWGARMSDALRQVEAFELFE 228

RESULT 5

US-09-489-039A-13421

Sequence 13421, Application US/09489039A

Patent No. 6610836

GENERAL INFORMATION:

APPLICANT: Gary Breton et. al

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA

FILE REFERENCE: 2709.2004001

CURRENT APPLICATION NUMBER: US/09/489,039A

CURRENT FILING DATE: 2000-01-27

PRIOR APPLICATION NUMBER: US 60/117,747

PRIOR FILING DATE: 1999-01-29

NUMBER OF SEQ ID NOS: 14342

SEQ ID NO 13421

LENGTH: 205

TYPE: PRT

ORGANISM: Klebsiella pneumoniae

US-09-489-039A-13421

Query Match 11.3%; Score 149; DB 4; Length 205;

Best Local Similarity 24.7%; Pred. No. 2.7e-08;

Matches 47; Conservative 37; Mismatches 94; Indels 12; Gaps 5;

QY 39 GWTGTGGISLKHGDE-IYIAPSGVQKRIQIPEDMFVCDINEKDISGSPSKLKKSCQ 97

Db 23 GWAPATGGNNVRQDDTWCWLSGRDGLSLTFDLOVEI-----ATNOAPSGR-KPSAE 77


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;
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
;
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD/ROM ISO9660
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 4317:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 241 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...241
; SEQUENCE DESCRIPTION: SEQ ID NO: 4317:
US-09-107-532A-4317

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Matches 63; Conservative 21; Mismatches 74; Indels 80; Gaps 11;

QY 24 PRLPELCKQFHLGWVTGTGGISL--KHGDEIYIAPSGVQKERIQPEDMFVCDINEK 81
Db 27 PRY-----GLVKLTWGNSEVDRELGVIVIKPSGVRYECMQADQMVVTDLSGN 74

QY 82 DISGSPSKLKKSOCTPLFMNAY--TMRGAGAVIHTHSKAAVNMATLLFPGRF--FKITH 137
Db 75 ILEEDS---LKPSDLPHVVLVYQTFEDITAITHTHSTHVNWAQ--AGRDLPAYGTH 128

QY 138 QEMIKGIKKT-----SGGYRYDDMLVPIIENTPEEKGLKDRMAHAMN 182
Db 129 ADAFYGVKPCTRQLTKEEVREAYEVHTGN-----VIVETFKERKLPD-----N 171

QY 183 EYPDSCAVLVRBHVYVWGSETEKA-----KTMCECYDVLFD 219
Db 172 EVP---GVLVYGHGPTWGDSPMKAVENSILDEICLMAKENLINPNICEIPQYLLD 226

RESULT 10
US-09-172-952-33
; Sequence 33, Application US/09172952
; Patent No. 6368793
; GENERAL INFORMATION:
; APPLICANT: Hoch, James
; APPLICANT: Dartois, Veronique
; TITLE OF INVENTION: METABOLIC SELECTION METHODS

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; FILE REFERENCE: 234/191
; CURRENT APPLICATION NUMBER: US/09/172,952
; CURRENT FILING DATE: 1998-10-14
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 33
; LENGTH: 231
; TYPE: PRT
; ORGANISM: Yias-Hi
US-09-172-952-33

Query Match
Best Local Similarity 9.8%; Score 129.5; DB 3; Length 231;
Matches 50; Conservative 24; Mismatches 73; Indels 33; Gaps 9;

QY 36 YHLGWVTGTGGISL--KHGDEIYIAPSGVQKERIQPEDMFVCDINEKDISGSPSKLKK 93
Db 19 HHL--VTFTWGNVSAIDREKNLWIKPSGVVDVMTENDMVVVDL----FTGNIVEGNKK 72

QY 94 KSQCTPLFMNAY--TMRGAGAVIHTHSK-AAVNMATLLFPGRFETKITHQEMIKGIKKT--- 148
Db 73 PSSDPTHLELYRQPHIGGIIVHSHRHATIIWAQGLDIIIEVGTTHGDYFYGTIPTCTROM 132

QY 149 -----SGGYRYDDMLVPIIENTPEEKGLKDRMAHAMNEYPDSC-AVLVRHGVYVWGE 202
Db 133 TTKKIKGNY-----ELETGKVIVETFLSRGIE-----PDNIPAVLVHSHGPPAWGK 178

RESULT 11
US-09-107-532A-5562
; Sequence 5562, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD/ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 5562:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 233 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium

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: TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
:
: TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
:
: FILE REFERENCE: 032796-032
:
: CURRENT APPLICATION NUMBER: US/09/134,000C

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; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6065
; LENGTH: 241
; TYPE: PR1
; ORGANISM: Enterococcus faecalis
US-09-134-000C-6065

Query Match      9.5%; Score 125.5; DB 4; Length 241;
Best Local Similarity 31.8%; Pred. No. 1.4e-05;
Matches 57; Conservative 18; Mismatches 81; Indels 23; Gaps 8;

QY 38 LGWVTGCGISL--LKHGDEIYIAPSGVQKRIQEDMFVCDINEKDISGSPSKLKKS 95
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Db 29 LGLVLKLTWGNVSEINRSIGIIVIKPSGVKQEMTKEQMVVTDLKGQLLE---TNALKPS 84

QY 96 QCTPLFMNAY-TMRGAGAVIHTHSKAAVMATLLFPCR---EFKITHQEMIKGIKKCTSGG 151
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
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QY 152 YVRYDDMLVPIIENTPEKGLKDRMAHAMNYPDSCA---VLVRRHGYYVVGWETWEKA 207
: ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 142 -----LSESEIKENVEETG-KVIVETPEQEQLDPLAVPGVLVYGHGPFTHGWTPEKA 193
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RESULT 15
US-08-926-842B-21
; Sequence 21, Application US/08926842B
; Patent No. 6030807
; GENERAL INFORMATION:
; APPLICANT: Sa-No. 6030807ueira, Isabel
; APPLICANT: de Lencastre, Herminia
; TITLE OF INVENTION: HIGHLY REGULABLE PROMOTER FOR HETEROLOGOUS GENE
; TITLE OF INVENTION: EXPRESSION
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Klauber & Jackson
; STREET: 411 Hackensack Avenue
; CITY: Hackensack
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/926,842B
; FILING DATE: 10-SEP-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Jackson Esq., David A.
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 600-1-089 N
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201 487-5800
; TELEFAX: 201 343-1684
; TELEX: 133521
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Salmonella typhimurium
US-08-926-842B-21
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Query Match      8.8%; Score 116.5; DB 3; Length 240;
Best Local Similarity 27.0%; Pred. No. 0.00014;
Matches 48; Conservative 20; Mismatches 83; Indels 27; Gaps 7;

QY 41 VTGTGGISL--KHGDEIYIAPSGVQKRIQEDMFVCDINEKDISGSPSKLKKSQCT 98
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Db 22 VTLTWGNVSAVDRERGVLVIKPSGVDYSVMTADDNVVVSLE----SGEVVEGHKKPSSDT 77

QY 99 PLFMNAY-TMRGAGAVIHTHSK-AAVMATLLFPGREFKITHQEMIKGIKKCTS----- 149
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Db 78 PTHRLLYQAFTPTIGGIIVHTHSRHATIIWAQAQOPIPATGTTTHADYFYGTIPCTRKMTAEAI 137

QY 150 GGYRYDDMLVPIIENTPEKGLKDRMAHAMNYPDSCAVLVRHGHVYVVGWETWEKA 207
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 138 NGEYEWEE---TCNVIVETFEKQGI-----DAAQMPGVILVHSHGPFANGKNAEDA 183
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Search completed: February 1, 2005, 14:30:59
Job time : 42 secs